

## EAST Search History

| Ref # | Hits     | Search Query                             | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|----------|--|---|------------------|---------|------------------|
| S1    | 1027     | network near3 calibration                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/28 18:41 |
| S2    | 158      | network adj calibration                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 14:56 |
| S3    | 10       | S1 and (homePNA or (phone adj line))     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 14:59 |
| S4    | 272      | homePNA                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 15:00 |
| S5    | 24511755 | (@prad<"20011001" or<br>@ad<"20011001")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/19 11:42 |
| S6    | 254      | S4 and "5"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 16:06 |
| S7    | 1986     | connection near3 optimiz\$6              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 16:07 |
| S8    | 34       | S7 and (test near (signal or<br>packet)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 16:08 |

## EAST Search History

|     |      |   |                        |    |     |                  |
|-----|------|---|------------------------|----|-----|------------------|
| S9  | 38   | ("4112488"   "4345116"   "4669113"   "4788721"   "4839892"   "4905233"   "4985830"   "4987536"   "5058105"   "5088032"   "5115495"   "5128926"   "5218676"   "5233604"   "5253248"   "5321815"   "5377262"   "5430729"   "5452294"   "5471467"   "5491690"   "5519836"   "5526414"   "5532939"   "5559877"   "5596722"   "5608721"   "5721916"   "5754790"   "5774526"   "5787271"   "5787470"   "5790541"   "5802503"   "5854899"   "5918021"   "5922049"   "6016307").PN. | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 16:38 |
| S10 | 2412 | (709/230).ccls. or (709/232).ccls.  | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 16:39 |
| S11 | 16   | S10 and S7  | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/15 15:28 |
| S12 | 225  | link adj optimiz\$6   | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 16:47 |
| S13 | 147  | S12 and S5  | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 17:17 |
| S15 | 13   | ("4725834"   "4926446"   "5400329"   "5477531"   "5488609"   "5802106"   "5870557"   "6061722"   "6075769"   "6212162"   "6240462"   "6252851"   "6310892").PN.   | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 17:23 |
| S16 | 5    | ("6587875").URPN.   | USPAT                  | OR | ON  | 2005/02/14 17:28 |
| S17 | 1    | ("6,601,009").PN.   | US-PGPUB; USPAT        | OR | OFF | 2005/02/14 17:28 |
| S18 | 12   | ("20010010059"   "20010044835"   "20020116518"   "5918002"   "5970052"   "6085241"   "6256669"   "6272539"   "6292834"   "6397258"   "6587875"   "6628666").PN.   | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/02/14 17:29 |
| S19 | 0    | ("6813580").URPN.   | USPAT                  | OR | ON  | 2005/02/14 17:33 |

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|     |          |   |   |    |     |                  |
|-----|----------|---|---|----|-----|------------------|
| S20 | 7        | ("20010044835"   "20020116518"   "5918002"   "5970052"   "6085241"   "6256669"   "6292834").PN. | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2005/02/14 18:35 |
| S21 | 6        | ("4985900"   "5420647"   "5572674"   "5812928"   "5860056"   "5926767").PN.                     | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2005/02/14 18:44 |
| S22 | 0        | ("6493320").URPN.   | USPAT                                       | OR | ON  | 2005/02/14 19:31 |
| S23 | 85       | link near calibrat\$5   | USPAT                                       | OR | ON  | 2005/02/14 19:32 |
| S24 | 24511755 | (@prad<"20011001" or @ad<"20011001")  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/02/14 19:32 |
| S25 | 77       | S23 and S24   | USPAT                                       | OR | ON  | 2005/02/14 19:36 |
| S26 | 127      | network near lock   | USPAT                                       | OR | ON  | 2005/02/14 19:33 |
| S27 | 0        | S25 and S26   | USPAT                                       | OR | ON  | 2005/02/14 19:33 |
| S28 | 30       | link near performance with optimiz\$5   | USPAT                                       | OR | ON  | 2005/02/14 19:36 |
| S29 | 27       | S28 and S24   | USPAT                                       | OR | ON  | 2005/02/14 19:40 |
| S30 | 138      | (test near signal) and ((halt or stop or lock) with network)                                    | USPAT                                       | OR | ON  | 2005/02/14 19:49 |
| S31 | 1        | ("6493320").PN.   | US-PGPUB; USPAT                             | OR | OFF | 2005/02/15 10:16 |
| S32 | 5        | (test adj signal) and (network near lock)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/02/15 10:19 |
| S33 | 0        | (test adj signal) and (network near3 collison)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/02/15 10:19 |
| S34 | 0        | (test adj signal) and (network WITH collison)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/02/15 10:19 |
| S35 | 0        | (test adj signal) same collison   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/02/15 10:20 |

## EAST Search History

|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S36 | 16361    | (controlled adj environment)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:21 |
| S37 | 56       | (controlled adj environment) and<br>(network near4 (tun\$4 or<br>calibrat\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:27 |
| S38 | 0        | (lock near network) with testing   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:28 |
| S39 | 2        | (lock near network) same testing   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:37 |
| S40 | 471      | phone near line near network   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:37 |
| S41 | 532      | phone near line near network\$5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:37 |
| S42 | 964467   | (optimization or calibrat\$4 or<br>tun\$5)                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:38 |
| S43 | 24512894 | (@prad<"20011001" or<br>@ad<"20011001")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:38 |
| S44 | 91       | S41 and S42 and S43  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/15 10:39 |
| S45 | 0        | (network near link near<br>calibration)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/02/15 15:28 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S46 | 5     | (network near3 link near3 calibration)                    | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/02/15 18:59 |
| S47 | 993   | (709/232).ccls.   | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/02/15 19:01 |
| S48 | 1     | S47 and (homepna or (phone near3 line3 near3 network\$4)) | US-PGPUB; USPAT; USOCR                      | OR | ON | 2005/02/15 19:01 |
| S49 | 38    | homepna.ab.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/16 10:24 |
| S50 | 4     | US-6285754-\$.DID. OR US-5377230-\$.DID.                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:18 |
| S51 | 0     | "09782538"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:24 |
| S52 | 34267 | ("709"/\$).ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:41 |
| S53 | 6220  | network adj performance                                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:41 |
| S54 | 1195  | link adj (performance or tuning)                          | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:42 |
| S55 | 64    | S52 and S54   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/15 19:42 |
| S56 | 0     | silent near disconnect                                    | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/02/16 10:25 |

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|     |     |                                     |   |    |    |                  |
|-----|-----|-------------------------------------|---|----|----|------------------|
| S57 | 42  | silent WITH disconnect              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 10:31 |
| S58 | 314 | remote near termination             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 10:53 |
| S59 | 13  | remote near Suppression             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 10:54 |
| S60 | 85  | (379/26.01).ccls.                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 12:49 |
| S64 | 43  | node near handshak\$5               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 12:57 |
| S65 | 607 | ("379"/\$).ccls. and calibrat\$6    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 13:03 |
| S66 | 329 | packet WITH calibrat\$6             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/16 13:04 |
| S67 | 153 | packet WITH calibrat\$6             | USPAT   | OR | ON | 2005/02/16 13:12 |
| S68 | 300 | (test adj signal) and (off\$hook)   | USPAT   | OR | ON | 2005/02/16 13:14 |
| S69 | 39  | (test adj signal) SAME (off\$hook)  | USPAT   | OR | ON | 2005/02/16 13:25 |
| S70 | 26  | silent SAME (test adj signal)       | USPAT   | OR | ON | 2005/02/16 13:26 |
| S71 | 26  | silent SAME test adj signal         | USPAT   | OR | ON | 2005/02/16 13:41 |
| S72 | 12  | (dsl WITH test) and (on\$hook)      | USPAT   | OR | ON | 2005/02/16 13:56 |
| S73 | 8   | (calibrate or tune) SAME (on\$hook) | USPAT   | OR | ON | 2005/02/16 14:09 |
| S74 | 88  | (379/27.03).ccls.                   | USPAT   | OR | ON | 2005/02/16 14:23 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S75 | 7   | US-6240166-\$.DID. OR<br>US-6532280-\$.DID. OR<br>US-6754186-\$.DID. OR<br>US-6532279-\$.DID. OR<br>US-U56324268-\$.DID. OR<br>US-6522731-\$.DID. OR<br>US-6522730-\$.DID. OR<br>US-6061392-\$.DID.   | USPAT   | OR | ON  | 2005/02/16 14:24 |
| S76 | 76  | home same phone\$line   | USPAT   | OR | ON  | 2005/02/16 14:24 |
| S77 | 124 | home with (phone\$line or (phone with line)) with network   | USPAT   | OR | ON  | 2005/02/16 14:25 |
| S79 | 65  | S77 and (calibrat\$5 or tun\$5 or performance)  | USPAT   | OR | ON  | 2005/02/16 14:29 |
| S80 | 18  | S77 and (calibrat\$5 or tun\$5)   | USPAT   | OR | ON  | 2005/02/16 14:31 |
| S81 | 1   | ("20030135637").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/02/16 14:54 |
| S82 | 1   | ("6493320").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/02/16 14:54 |
| S83 | 794 | probe near3 packet  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 10:38 |
| S84 | 90  | (probe near3 packet) same (noise or propagation or error)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:18 |
| S85 | 1   | ("6570915").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/07/14 10:44 |
| S86 | 1   | ("6570915").URPN.   | USPAT   | OR | ON  | 2005/07/14 14:01 |
| S87 | 24  | ("4663766"   "5265151"   "5987061"   "5987069"   "5999540"   "5999563"   "6002722"   "6021167"   "6038251"   "6044107"   "6055268"   "6233604"   "6272108"   "6345071"   "6385203"   "6389065"   "6400759"   "6507565"   "6535551"   "6539081"   "6546046"   "6566889"   "6567464"   "6570915").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2005/07/14 14:47 |
| S88 | 0   | (probe near3 packet) same HPNA  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:18 |

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|      |      |  |   |    |     |                  |
|------|------|--|---|----|-----|------------------|
| S89  | 18   | (probe near3 packet) and HPNA  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 17:37 |
| S100 | 93   | transaction with (linked with objects)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 18:56 |
| S101 | 15   | transaction with (linked with objects) and xml                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/15 14:58 |
| S102 | 1    | ("6493320").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/07/15 18:34 |
| S103 | 1    | ("6493320").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/07/15 18:34 |
| S104 | 1    | ("5,563,915").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/07/18 12:51 |
| S105 | 5336 | (tune or tuning) same (noise or delay) and network                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 15:23 |
| S106 | 190  | (tune or tuning) same (noise or delay) and network and ("phone line" or phoneline) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 15:24 |
| S107 | 122  | (tune or tuning) same (noise) and network and ("phone line" or phoneline)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 16:36 |
| S108 | 1    | ("6438585").PN.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/02/03 15:27 |
| S109 | 122  | (tune or tuning) same (noise) and network and ("phone line" or phoneline)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 16:48 |
| S110 | 2    | (tune or tuning) same (noise) and network and ("phone line" or phoneline).ab.      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 16:48 |

## EAST Search History

|          |          |   |   |    |     |                  |
|----------|----------|---|---|----|-----|------------------|
| S11<br>1 | 96       | (tune or tuning) same (noise) and network and ("phone line" or phoneline or telephone).ab.          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/03 16:48 |
| S11<br>2 | 1        | ("6424630").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/08/19 11:34 |
| S11<br>3 | 0        | ("6424630").URPN.   | USPAT   | OR | ON  | 2006/08/19 11:34 |
| S11<br>4 | 9        | ("3392442"   "3965418"   "3970795"   "4112264"   "5798563"   "5881130"   "6084958"   "6097732").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/08/19 11:41 |
| S11<br>5 | 128      | network adj lock  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/08/19 11:41 |
| S11<br>6 | 24677953 | (@prad<"20011001" or @ad<"20011001")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/19 11:42 |
| S11<br>7 | 74       | S115 and S116   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/19 11:42 |
| S11<br>8 | 5        | ("6097732").URPN.   | USPAT   | OR | ON  | 2006/08/19 11:44 |
| S11<br>9 | 4        | ("5023872"   "5062104"   "5808767"   "5889841").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/08/19 11:46 |
| S12<br>0 | 3        | ("5889841").URPN.   | USPAT   | OR | ON  | 2006/08/19 11:53 |
| S12<br>1 | 37630    | ("714"/\$).ccls.  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:54 |
| S12<br>2 | 26569    | S121 and S116   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:54 |
| S12<br>3 | 773      | (home adj network).ab.  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:56 |
| S12<br>4 | 7        | S122 and S123   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:54 |
| S12<br>5 | 29       | S123 and (noise and error)  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:56 |
| S12<br>6 | 16       | S125 and S116   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/08/19 11:58 |

## EAST Search History

|          |       |                       |                    |    |    |                  |
|----------|-------|-----------------------|--------------------|----|----|------------------|
| S12<br>7 | 24538 | propagation adj delay | US-PGPUB;<br>USPAT | OR | ON | 2006/08/19 11:57 |
| S12<br>8 | 2     | S123 and S127         | US-PGPUB;<br>USPAT | OR | ON | 2006/08/19 11:57 |